

### **hexagonal graphite**

The thermodynamically stable form of *graphite* with an ABAB stacking sequence of the *graphene layers*. The exact crystallographic description of this allotropic form is given by the space group  $d_{6h}^4$ - $P6_3/mmc$  (unit cell constants:  $a = 245.6$  pm,  $c = 670.8$  pm). Hexagonal graphite is thermodynamically stable below approximately 2600 K and 6 GPa.

Note:

The use of the term graphite instead of the more exact term hexagonal graphite may be tolerated in view of the minor importance of *rhombohedral graphite*, the other allotropic form.

1995, 67, 494